



199293

Sequence Listing

<110> Buchanan, F.
<110> Thue, T.D.
<110> Winkelmann-Sim, D.
<120> CRH and POMC Effects on Animal Growth
<130> 1696-04-02
<141> March 31, 2004
<160> Number of SEQ ID NOS: 9
<170> Microsoft Office 2004; Windows XP Professional O/S.

<210> SEQ ID NO: 1
<211> LENGTH: 584 base pairs
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<220> FEATURE: SNPs present at nucleotides 22 ("CRH4"), 145 ("CRH45") and 240 ("CRH77").
<223> OTHER INFORMATION: GenBank Accession AF340152

<400> SEQUENCE 1
1 cggccgctaa aatgcgactg ccgcgtctcg tggccgtggg cgtcctgctg gtggctctgc
61 tgcctcccc gccatgcagg gccccttcata gcccggggcc catccgggtt gcccggcagg
121 catcacagca ccccccagcccc ctgagtttct tccagccccc gcccagcccc caggaaccccc
181 aggctctgcc caccctactc cgtgttgggg aggaatactt cctccgcctg ggtaacctcg
241 atgagacccg ggctgctccs ctctctcccg ccgcctcgcc tctcgccagc agaagcagca
301 gtcgcctttc tccggacaag gtggccgcca actttttccg agcgctgctg cagccccggc
361 gcccattcga cagcccagcg ggtcccgcgg aacgcggcac ggagaacgc ctcggcagcc
421 gccaggaggc gccggccgccc aggaagaggc gatcccaggaa acctcccatc tccctggatc
481 tcaccttcca ctcctccga gaagtcttgg aaatgaccaa ggccgatcag ttagcacagc
541 aagctcatar caayaggaaa ctgttgacaa ttgctggaa atga

<210> SEQ ID NO: 2
<211> LENGTH: 1002 base pairs
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<220> FEATURE: SNP at position 254
<223> OTHER INFORMATION: GenBank Accession J00021

<400> SEQUENCE 2
1 gcggaggggag tggaggctc aggccggcgcc cttgaggggc gggtaacgc cgccgcctgg
61 agtggggggg gcctgacgcg ctctggcgct ctccgcaggc gtgcattccgg gcctgcaagc
121 cccaccccttc cggcggacgc ccgggtttcc ccggcaacgg cgatgagcag ccgctgactg
181 agaaccggccg gaagtacgtc atggccatt tccgctggga ccgcttcggc cgtcggaaatg
241 gtagcagcag cagcggagggtt gggggcgcgg cccagaagcg cgaggaggaa gtggcgggtgg
301 gcaaggcccc cggggccccc ggcgtatgacg ccgagacggg tccgcgcgag gacaagcggt
361 cttactccat ggaacacttc cgctggggca agccgggtgg caagaagcg cggccgggtga
421 aggtgtaccc caacggcgcc gaggacgagt cggcccaggc cttccccctc gaattcaaga
481 gggagctgac cggggagagg ctcgagcagg cgcgcggccc cgaggcccag gctgagagtg
541 cggccggcccg ggctgagctg gagtatggcc tggtgccgga ggcggaggct gaggcggccg
601 agaagaagga ctcggggccc tataagatgg aacacttccg ctggggcagc ccgccccagg
661 acaagcgcta cggcggttcc atgacccctcg agaagggcca aacgccccctt gtcacgctgt
721 tcaaaaaacgc catcatcaag aacgccccaca agaagggcca gtgagggcgc agcggccagg
781 ggcctcttc cgcggaaagt tgaccctgaa ggcctctt ctggccctct accgcctcgc
841 agcctgggtg aggattcgcc caggcgtga tggcgccagg tatcccgact cttaaagctg
901 tctgtatgtt agaaataaaa ccttcaagt ttacacgata ttgactgggt gaattaaaaaa
961 cgcatttcca tcaagtaaaag ggcagtgatcat attggagggg cg

<210> SEQ ID NO: 3

199293

<211> LENGTH: 1809 base pairs
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> FEATURE: SNP at position 1069
<223> OTHER INFORMATION: Genbank Accession No. AF265221
<400> SEQUENCE 3
1 cagcctaaga tttccaagtg atgctgacca gagccacact tgaaagagac taaaaacttc
61 ctttccagct ccggagcatg ggacatttat tcacagcagg catgccactc tccgcgcct
121 aactttcggtt tggggcaagt caagactgga gaaagggtct gaggctgcca gatccaggag
181 gttcagtcag tccagagggg acctgaatcc aaaatgaact ctaccgcagc ctttggatg
241 cacacctctc tccactcttgc gaaccgcagc gcccacggaa tgcccaccaa tgtcagttag
301 tccctggcaa aaggctactc ggacgggggg tgctatgagc agcttttgt ctctcccgag
361 gtgtttgtga ctctgggggt catcagcttgc ttggagaata ttctgggtat cgtggccata
421 gccaagaaca agaatctgca ctcacccatg tacttttca tctgcagcct ggctgtggct
481 gacatgttgg tgagcgtttca acacgggtcg gaaaccattt tcacacccct gctgaacagc
541 acggacacgg acgcgcagag cttcacgggtg gatattgaca atgtcatttgat ctcggtgatc
601 ttagtgcctt tgcttgcctc catctgcagc ttgtgtcgat tcgcgggtggc caggtacttc
661 actatcttct atgcgctcca gtaccataac atcatgacgg tgaagcggtt ggcgatcacc
721 atcagcgcca tctgggcagc ctgcacgggtg tcgggcgtct ttttcatcat ttactcagac
781 agcagtgtcg ttatcatgttgc cctcataccatgttgc ccatgctggc tctcatggcg
841 tctctctatg tccacatgttgc cctcatggcc agactccaca ttaagaggat cgcggcttg
901 ccaggtagcg gcaccatccg ccaggcgcc aacatgaagg gggcgattac cctgaccata
961 ctgatcggtt tctttgttgc tgcgtggcc ccccttcttc tgccatgtat attctacatc
1021 tcttgccttcc agaaccatata ctgtgtgtgt ttcatgttctc actttacatc gtacctcatc
1081 ctcatcatgttgc gcaattccat cattgaccct ctgattttag ccctgcggag ccaagaactg
1141 aggaaaacctt tcaaagagat catttgttgc ttcctcttag gtggcctctg tgatttgtct
1201 agcagatatt aaatggggac aaacgcgtatc ctaaacacaa gcttaagaga ctttctctt
1261 ctcatatgttgc caacctgaac agtctgtatc agccacagct ttttctctg ttagggcat
1321 ggagtggaaa tttctattgttgc atcgttgc gtttgcatt ttttctgtat gtgaaacagt
1381 gcccagtctt ggtgtatTTT taatgtcatg ctactttctg gctgtaaaat gtgaatccac
1441 atcacagggtt ataggcacta tgcattata aaaaaagaag aaaaaaagtcc ttatgagga
1501 gtttaacagt gtttccttct ttttgcatttgc aaggatgtga cactttgcgtt gctttgtaa
1561 catggaaatc acagcttcat taatgtatc ctatgtatc gttttttat gttataactt
1621 acaacactgttgc aatgtaaaaaa tttgtatttgc gcatattagg gagaatattt gagaacatatt
1681 tgcttaatca taaaaaacaatgttgc aatgtatc gttttttat gttataactt tctcatatc
1741 tcttcctgttgc cagaagtgttgc aatgtatc gttttttat gttttttat gttataactt
1801 aaaaaaaaaaaaaaaa

<210> SEQ ID NO: 4
<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within
SEQ ID NO: 1.

<400> SEQUENCE 4
1 gcgcccgcttca aaatgcgact ga 22

<210> SEQ ID NO: 5
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the
reverse complement of the corresponding sequence in SEQ ID NO: 1.

<400> SEQUENCE 5
1 ctgtgtatgttgc tgccggcact 20

199293

<210> SEQ ID NO: 6
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within SEQ ID NO: 2.

<400> SEQUENCE 6
1 cgtgcatccg ggcctgcaag c 21

<210> SEQ ID NO: 7
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the reverse complement of the corresponding sequence in SEQ ID NO: 2.

<400> SEQUENCE 7
1 gtcagctccc tcttgaattc gag 23

<210> SEQ ID NO: 8
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within SEQ ID NO: 3.

<400> SEQUENCE 8
1 taccctgacc atactgatcg 20

<210> SEQ ID NO: 9
<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the reverse complement of corresponding sequence in SEQ ID NO: 3.

<400> SEQUENCE 9
1 agagcaacaa atgatctctt tg 22